

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/693,818

Confirmation No.: 1103

Filing Date: October 24, 2003

Inventors: Vinegar et al.

**Title: STAGED AND/OR  
PATTERNED HEATING  
DURING IN SITU THERMAL  
PROCESSING OF A  
HYDROCARBON  
CONTAINING FORMATION**

Examiner: unknown  
Art Unit: 3672  
Atty. Dkt. No.: 5659-21500

**CERTIFICATE OF MAILING**  
**UNDER 37 C.F.R. §1.8**

DATE OF DEPOSIT:

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:

Commissioner for Patents  
Alexandria, VA 22313-1450

Jackie L. Pitre

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the U.S. Patent and U.S. Published Applications listed on attached Form PTO-1449 (references P1-P710) be considered by the Examiner and made of record. Since the above-captioned application was filed after June 30, 2003, copies of the U.S. Patents and U.S. Published Applications are **not** enclosed.

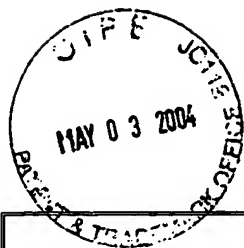
Should any fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5659-21500/EBM.

Respectfully submitted,

Eric B. Meyertons  
Reg. No. 34,876

Attorney for Applicant

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Date: 4/28/04



**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DOCKET NO: 5659-21500

APPLICANT: Vinegar et al.

FILING DATE: 10/24/2003

SERIAL NO: 10/693,818

CONFIRMATION NO.: 1103

ART UNIT: 3672

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P1	48994	7/25/1865	Parry			
	P2	94813	9/14/1869	Dickey			
	P3	326439	9/15/1885	McEachen			
	P4	760304	1904/05/17	Butler			
	P5	1269747	1918/06/18	Rogers			
	P6	1342741	1920/06/08	Day			
	P7	1457479	1923/06/05	Wolcott			
	P8	1510655	1924/10/07	Clark			
	P9	1634236	1927/06/28	Ranney			
	P10	1666488	1928/04/17	Crawshaw			
	P11	1681523	1928/08/21	Downey et. al.			
	P12	1913395	1933/06/13	Karrick			
	P13	2244256	1941/06/03	Looman			
	P14	2423674	1947/07/08	Agren			
	P15	2444755	1948/07/06	Steffen			
	P16	2466945	1949/04/12	Greene			
	P17	2472445	1949/06/07	Sprong			
	P18	2484063	1949/10/11	Ackley			
	P19	2497868	1950/02/01	Dalin			
	P20	2548360	1951/04/10	Germain			
	P21	2593477	1952/04/22	Newman et al.			
	P22	2595979	1952/05/06	Pevere et al.			
	P23	2623596	1952/12/30	Whorton et al.			
	P24	2630307	1953/03/03	Martin			

EXAMINER: \_\_\_\_\_ DATE CONSIDERED: \_\_\_\_\_

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DOCKET NO: 5659-21500  APPLICANT: Vinegar et al.  FILING DATE: 10/24/2003		SERIAL NO: 10/693,818  CONFIRMATION NO.: 1103  ART UNIT: 3672		
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P25	2630306	1953/03/03	Evans			
	P26	2634961	1953/04/14	Ljungstrom			
	P27	2642943	1953/06/23	Smith et al.			
	P28	2670802	1954/03/02	Ackley			
	P29	2685930	1954/08/12	Albaugh			
	P30	2695163	1954/11/23	Pearce et al.			
	P31	2703621	1955/03/08	Ford			
	P32	2714930	1955/08/09	Carpenter			
	P33	2732195	1956/01/24	Ljungstrom			
	P34	2734579	1956/02/14	Elkins			
	P35	2771954	1956/11/27	Jenks et al.			
	P36	2777679	1957/01/15	Ljungstrom			
	P37	2780449	1957/02/05	Fisher et al.			
	P38	2780450	1957/02/05	Ljungstrom			
	P39	2786660	1957/03/26	Alleman			
	P40	2789805	1957/04/23	Ljungstrom			
	P41	2793696	1957/05/28	Morse			
	P42	2804149	1957/08/27	Kile			
	P43	2841375	1958/07/01	Salomonsson			
	P44	2890754	1959/06/16	Hoffstrom et al.			
	P45	2890755	1959/06/16	Eurenius et al.			
	P46	2902270	1959/09/01	Salomonsson et al.			
	P47	2906337	1959/09/29	Henning			
	P48	2906340	1959/09/29	Herzog			
	P49	2914309	1959/11/24	Salomonsson			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P50	2923535	1960/02/11	Ljungstrom			
	P51	2932352	1960/04/12	Stegemeier			
	P52	2939689	1960/06/07	Ljungstrom			
	P53	2954826	1960/10/04	Sievers			
	P54	2958519	1960/11/01	Hurley			
	P55	2974937	1961/03/14	Kiel			
	P56	2994376	1961/08/01	Crawford et al.			
	P57	2998457	1961/08/29	Paulsen			
	P58	3004603	1961/10/17	Rogers et al.			
	P59	3007521	1961/11/07	Trantham et al.			
	P60	3010513	1961/11/28	Gerner			
	P61	3010516	1961/11/28	Schleicher			
	P62	3036632	1962/05/29	Koch et al.			
	P63	3044545	1962/07/17	Tooke			
	P64	3061009	1962/10/30	Shirley			
	P65	3062282	1962/11/06	Schleicher			
	P66	3084919	1963/04/09	Slater			
	P67	3095031	1963/06/25	Eurenus et al.			
	P68	3105545	1963/10/01	Prats et al.			
	P69	3106244	1963/10/08	Parker			
	P70	3110345	1963/11/12	Reed et al.			
	P71	3113623	1963/12/10	Krueger			
	P72	3113619	1963/12/10	Reichle			
	P73	3114417	1963/12/17	McCarthy			
	P74	3116792	1964/01/07	Purre			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P75	3120264	1964/02/04	Barron			
	P76	3127935	1964/04/07	Poettmann et al.			
	P77	3127936	1964/04/07	Eurenus			
	P78	3131763	1964/05/05	Kunetka et al.			
	P79	3132692	1964/05/12	Marx et al.			
	P80	3139928	1964/07/07	Broussard			
	P81	3142336	1964/07/28	Doscher			
	P82	3149670	1964/09/22	Grant			
	P83	3149672	1964/10/22	Orkiszewski et al.			
	P84	3163745	1964/12/29	Boston			
	P85	3164207	1965/01/05	Thessen et al.			
	P86	3181613	1965/05/04	Krueger			
	P87	3182721	1965/05/11	Hardy			
	P88	3183675	1965/05/18	Schroeder			
	P89	3191679	1965/06/29	Miller			
	P90	3205946	1965/09/14	Prats et al.			
	P91	3205944	1965/09/14	Walton			
	P92	3207220	1965/09/21	Williams			
	P93	3208531	1965/09/28	Tamplen			
	P94	3209825	1965/10/05	Alexander et al.			
	P95	3233668	1966/02/08	Hamilton et al.			
	P96	3237689	1966/03/01	Justheim			
	P97	3241611	1966/03/22	Dougan			
	P98	3250327	1966/05/10	Crider			
	P99	3267680	1966/08/23	Schlumberger			

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Information Disclosure Statement--PTO 1449 (modified)

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P100	3273640	1966/09/20	Huntington			
	P101	3275076	1966/09/27	Sharp			
	P102	3284281	1966/11/08	Thomas			
	P103	3294167	1966/12/27	Vogel			
	P104	3310109	1967/03/21	J. W. Marx et al.			
	P105	3316962	1967/05/02	Lange			
	P106	3338306	1967/08/29	Cook			
	P107	3352355	1967/11/14	Putman			
	P108	3379248	1968/04/23	Strange			
	P109	3380913	1968/04/30	Henderson			
	P110	3528501	1970/09/15	Parker			
	P111	3547193	1970/12/15	Gill			
	P112	3562401	1971/02/09	Long			
	P113	3595082	1971/07/27	Miller et al.			
	P114	3599714	1971/08/17	Messman et al.			
	P115	3605890	1971/09/20	Holm			
	P116	3617471	1971/11/02	Schlinger et al.			
	P117	3661423	1972/05/09	Garrett			
	P118	3675715	1972/07/11	Speller, Jr.			
	P119	3680633	1972/08/01	Bennett			
	P120	3766982	1973/10/23	Justheim			
	P121	3770398	1973/11/06	Abraham et al.			
	P122	3775185	1973/11/27	Kunz et al.			
	P123	3794116	1974/02/26	Higgins			
	P124	3809159	1974/05/07	Young et al.			

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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P125	3882941	1975/05/13	Pelofsky			
	P126	3992148	1975/11/25	Child			
	P127	3922148	1975/11/25	Child			
	P128	3924680	1975/12/09	Terry			
	P129	3948319	1976/04/06	Pritchett			
	P130	3954140	1976/05/04	Hendrick			
	P131	3973628	1976/08/10	Colgate			
	P132	3986349	1976/10/19	Egan			
	P133	3993132	1976/11/23	Garrett			
	P134	3999607	1976/12/28	Pennington et al.			
	P135	4008762	1977/02/22	Fisher et al.			
	P136	4016239	1977/04/05	Fenton			
	P137	4019575	1977/04/26	Pisio et al.			
	P138	4026357	1977/05/31	Redford			
	P139	4043393	1977/08/23	Fisher et al.			
	P140	4049053	1977/09/20	Fisher et al.			
	P141	4057293	1977/11/08	Garrett			
	P142	4067390	1978/01/10	Camacho et al.			
	P143	4069868	1978/01/24	Terry			
	P144	4076761	1978/02/28	Chang et al.			
	P145	4084637	1978/04/18	Todd			
	P146	4087130	1978/05/02	Garrett			
	P147	4089372	1978/05/16	Terry			
	P148	4089374	1978/05/16	Terry			
	P149	4091869	1978/05/30	Hoyer			

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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P150	4093026	1978/06/06	Ridley			
	P151	4093025	1978/06/06	Terry			
	P152	4096163	1978/06/20	Chang, et al.			
	P153	4099567	1978/07/11	Terry			
	P154	4114688	1978/09/19	Terry			
	P155	4130575	1978/12/19	Jorn et al.			
	P156	4133825	1979/01/09	Stroud et al.			
	P157	4138442	1979/02/06	Chang, et al.			
	P158	4144935	1979/03/20	Bridges et al.			
	P159	re30019	1979/06/05	Lindquist			
	P160	4183405	1980/01/15	Magnie			
	P161	4186801	1980/02/05	Madgavkar et al.			
	P162	4197911	1980/04/15	Anada			
	P163	4228854	1980/10/21	Sacuta			
	P164	4243101	1981/01/06	Gruppung			
	P165	4250230	1981/02/10	Terry			
	P166	4250962	1981/02/17	Madgavkar et al.			
	P167	4252191	1981/02/24	Pusch et al.			
	P168	4273188	1981/06/16	Vogel et al.			
	P169	4274487	1981/06/23	Hollingsworth et al.			
	P170	4277416	1981/07/07	Grant			
	P171	re30738	1981/09/08	Bridges et al.			
	P172	4299086	1981/11/10	Madgavkar et al.			
	P173	4299285	1981/11/10	Tsai et al.			
	P174	4306621	1981/12/22	Boyd et al.			

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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P175	4324292	1982/04/13	Jacobs et al.			
	P176	4344483	1982/08/17	Fisher et al.			
	P177	4353418	1982/10/12	Hoekstra et al.			
	P178	4359687	1982/11/16	Vinegar et al.			
	P179	4363361	1982/12/14	Madgavkar et al.			
	P180	4366668	1983/01/04	Madgavkar et al.			
	P181	4378048	1983/03/29	Madgavkar et al.			
	P182	4381641	1983/05/03	Madgavkar et al.			
	P183	4384613	1983/05/24	Owen et al.			
	P184	4396062	1983/08/02	Iskander			
	P185	4398151	1983/08/09	Vinegar et al.			
	P186	4397732	1983/08/09	Hoover et al.			
	P187	4407973	1983/10/04	van Dijk et al.			
	P188	4409090	1983/10/11	Hanson et al.			
	P189	4412124	1983/10/25	Kobayashi			
	P190	4423311	1983/12/27	Varney, Sr.			
	P191	4444258	1984/04/24	Kalmar			
	P192	4444255	1984/04/24	Geoffrey et al.			
	P193	4448251	1984/05/15	Stine			
	P194	4448252	1984/05/15	Stoddard et al.			
	P195	4457365	1984/07/03	Kasevich et al.			
	P196	4463807	1984/08/01	Stoddard et al.			
	P197	4476927	1984/10/16	Riggs			
	P198	4485869	1984/12/04	Sresty et al.			
	P199	4489782	1984/12/25	Perkins			

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	P200	4501445	1985/02/06	Gregoli			
	P201	4508170	1985/04/02	Littman			
	P202	4513816	1985/04/30	Hubert			
	P203	4524113	1985/06/18	Lesieur			
	P204	4524826	1985/06/25	Savage			
	P205	4530401	1985/07/23	Hartman et al.			
	P206	4537252	1985/08/27	Puri			
	P207	4540882	1985/09/10	Vinegar et al.			
	P208	4542648	1985/09/24	Vinegar et al.			
	P209	4549396	1985/10/29	Garwood et al.			
	P210	4570715	1986/02/18	Van Meurs et al.			
	P211	4571491	1986/02/18	Vinegar et al.			
	P212	4572299	1986/02/25	Vanegmond et al.			
	P213	4573530	1986/03/18	Audeh et al.			
	P214	4576231	1986/03/18	Dowling et al.			
	P215	4583046	1986/04/15	Vinegar et al.			
	P216	4583242	1986/04/15	Vinegar et al.			
	P217	4592423	1986/06/03	Savage et al.			
	P218	4594468	1986/06/10	Minderhoud			
	P219	4597441	1986/07/01	Ware et al.			
	P220	4605680	1986/08/12	Beuther et al.			
	P221	4608818	1986/09/02	Goebel et al.			
	P222	4613754	1986/09/23	Vinegar et al.			
	P223	4616705	1986/10/14	Stegemeier et al.			
	P224	4626665	1986/12/02	Fort, III			

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	P225	4635197	1987/01/06	Vinegar et al.			
	P226	4637464	1987/01/20	Forgac et al.			
	P227	4640352	1987/02/03	Vanmeurs et al.			
	P228	4644283	1987/02/17	Vinegar et al.			
	P229	4651825	1987/03/24	Wilson			
	P230	4658215	1987/04/14	Vinegar et al.			
	P231	4663711	1987/05/05	Vinegar et al.			
	P232	4662438	1987/05/05	Taflove et al.			
	P233	4662439	1987/05/05	Puri			
	P234	4662443	1987/05/05	Puri et al.			
	P235	4671102	1987/06/09	Vinegar et al.			
	P236	4691771	1987/09/08	Ware et al.			
	P237	4694907	1987/09/22	Stahl et. al.			
	P238	4704514	1987/11/03	Van Edmond et al.			
	P239	4716960	1988/01/05	Eastlund et al.			
	P240	4719423	1988/01/12	Vinegar et al.			
	P241	4728892	1988/03/01	Vinegar et al.			
	P242	4730162	1988/03/08	Vinegar et al.			
	P243	4743854	1988/05/10	Vinegar et al.			
	P244	4762425	1988/08/09	Shakkottai et al.			
	P245	4769602	1988/09/06	Vinegar et al.			
	P246	4769606	1988/09/06	Vinegar et al.			
	P247	4772634	1988/09/20	Farooque			
	P248	4787452	1988/11/29	Jennings, Jr.			
	P249	4793656	1988/12/27	Siddoway et al.			

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<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DOCKET NO: 5659-21500  APPLICANT: Vinegar et al.  FILING DATE: 10/24/2003	SERIAL NO: 10/693,818  CONFIRMATION NO.: 1103  ART UNIT: 3672					
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P250	4817711	1989/04/04	Jeambey			
	P251	4818370	1989/04/04	Gregoli et al.			
	P252	4827761	1989/05/09	Vinegar et al.			
	P253	4848924	1989/07/18	Nuspl et al.			
	P254	4856341	1989/08/15	Vinegar et al.			
	P255	4860544	1989/08/29	Krieg et al.			
	P256	4866983	1989/09/19	Vinegar et al.			
	P257	4884455	1989/12/05	Vinegar et al.			
	P258	4886118	1989/12/12	Van Meurs et al.			
	P259	4895206	1990/01/22	Price			
	P260	4927857	1990/05/22	McShea III et al.			
	P261	4928765	1990/05/29	Nielson			
	P262	4974425	1990/12/04	Krieg et al.			
	P263	4983319	1991/01/08	Gregoli et al.			
	P264	4984594	1991/01/15	Vinegar et al.			
	P265	4987368	1991/01/22	Vinegar			
	P266	4994093	1991/02/19	Wetzel et al.			
	P267	5008085	1991/04/16	Bain et al.			
	P268	5014788	1991/05/14	Puri et al.			
	P269	5020596	1991/06/04	Hemsath			
	P270	5046559	1991/09/10	Glandt			
	P271	5050386	1991/09/24	Krieg et al.			
	P272	5060287	1991/10/22	Van Egmond			
	P273	5060726	1991/10/29	Glandt et al.			
	P274	5064006	1991/11/12	Waters et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P275	5065818	1991/11/19	Van Egmond			
	P276	5082054	1992/01/21	Kiamanesh			
	P277	5082055	1992/01/21	Hemsath			
	P278	5168927	1992/12/08	Stegemeier et al.			
	P279	5182792	1993/01/26	Goncalves			
	P280	5189283	1993/02/23	Carl, Jr. et al.			
	P281	5190405	1993/03/02	Vinegar et al.			
	P282	5207273	1993/05/04	Cates et al.			
	P283	5211230	1993/05/18	Ostapovich et al.			
	P284	5217076	1993/06/08	Masek			
	P285	5226961	1993/07/13	Nahm et al.			
	P286	5229583	1993/07/20	van Egmond et al.			
	P287	5229102	1993/07/20	Minet et al.			
	P288	5236039	1993/08/17	Edelstein et al.			
	P289	5255742	1993/10/26	Mikus			
	P290	5261490	1993/11/16	Ebinuma			
	P291	5284878	1994/02/05	Studer et al.			
	P292	5285846	1994/02/15	Mohn			
	P293	5289882	1994/03/01	Moore			
	P294	5297626	1994/03/29	Vinegar et al.			
	P295	5306640	1994/04/26	Vinegar et al.			
	P296	5316664	1994/05/31	Gregoli et al.			
	P297	5318116	1994/06/07	Vinegar et al.			
	P298	5339897	1994/08/23	Leaute			
	P299	5340467	1994/08/23	Gregoli et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P300	5349859	1994/09/27	Kleppe			
	P301	5366012	1994/11/22	Lohbeck			
	P302	5388640	1995/02/14	Puri et al.			
	P303	5388641	1995/02/14	Yee et al.			
	P304	5388642	1995/02/14	Puri et al.			
	P305	5388643	1995/02/14	Yee et al.			
	P306	5388645	1995/02/14	Puri et al.			
	P307	5391291	1995/02/21	Winqvist et al.			
	P308	5392854	1995/02/28	Vinegar et al.			
	P309	5402847	1995/04/04	Wilson et. al.			
	P310	5404952	1995/04/11	Vinegar et al.			
	P311	5409071	1995/04/25	Wellington et al.			
	P312	5411089	1995/05/02	Vinegar et al.			
	P313	5411104	1995/05/02	Stanley			
	P314	5415231	1995/05/16	Northrop et al.			
	P315	5431224	1995/07/11	Laali			
	P316	5433271	1995/07/18	Vinegar et al.			
	P317	5437506	1995/08/01	Gray			
	P318	5439054	1995/08/08	Chaback et al.			
	P319	5454666	1995/10/03	Chaback et al.			
	P320	5491969	1996/02/20	Cohn et. al.			
	P321	5497087	1996/03/05	Vinegar et al.			
	P322	5498960	1996/03/12	Vinegar et al.			
	P323	5525322	1996/06/11	Willms			
	P324	5541517	1996/07/30	Hartmann et al.			

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Information Disclosure Statement--PTO 1449 (modified)

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P325	5553189	1996/09/03	Stegemeier et al.			
	P326	5554453	1996/09/10	Steinfeld et al.			
	P327	5566756	1996/10/22	Chaback et al.			
	P328	5621844	1997/04/15	Bridges			
	P329	5624188	1997/04/29	West			
	P330	5632336	1997/05/27	Notz et al.			
	P331	5656239	1997/08/12	Stegemeier et al.			
	P332	5676212	1997/10/14	Kuckes			
	P333	re35696	1997/12/23	Mikus			
	P334	5713415	1998/02/03	Bridges			
	P335	5767584	1998/06/16	Gore et. al			
	P336	5861137	1999/01/19	Edlund			
	P337	5862858	1999/01/26	Wellington et al.			
	P338	5899269	1999/05/04	Wellington et al.			
	P339	5955039	1999/09/21	Dowdy			
	P340	5968349	1999/10/19	Duyvesteyn et al.			
	P341	5984010	1999/11/16	Pias et al.			
	P342	5985138	1999/11/16	Humphreys			
	P343	5997214	1999/12/07	de Rouffignac et al.			
	P344	6016867	2000/01/25	Gregoli et al.			
	P345	6016868	2000/01/25	Gregoli et al.			
	P346	6019172	2000/02/01	Wellington et al.			
	P347	6023554	2000/02/08	Vinegar et al.			
	P348	6056057	2000/05/02	Vinegar et al.			
	P349	6079499	2000/06/27	Mikus et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P350	6085512	2000/07/11	Agee et al.			
	P351	6094048	2000/07/25	Vinegar et al.			
	P352	6102122	2000/08/15	de Rouffignac			
	P353	6102622	2000/08/15	Vinegar et al.			
	P354	6152987	2000/11/28	Ma et al.			
	P355	6172124	2001/01/09	Wolflick et al.			
	P356	6173775	2001/01/16	Elias et al.			
	P357	6187465	2001/02/13	Galloway			
	P358	6354373	2001/03/12	Vercaemer et al.			
	P359	6244338	2001/06/12	Mones			
	P360	20010049342	2001/12/06	Passey et al.			
	P361	6328104	2001/12/11	Graue			
	P362	20020018697	2002/02/14	Vinegar et al.			
	P363	20020027001	2002/03/07	Wellington et al.			
	P364	20020029885	2002/03/14	de Rouffignac et al.			
	P365	20020029884	2002/03/14	de Rouffignac et al.			
	P366	20020029882	2002/03/14	de Rouffignac et al.			
	P367	20020029881	2002/03/14	de Rouffignac et al.			
	P368	20020035307	2002/03/21	Vinegar et al.			
	P369	20020034380	2002/03/21	Maher et al.			
	P370	20020033280	2002/03/21	Schoeling et al.			
	P371	20020033257	2002/03/21	Shahin, Jr. et al.			
	P372	20020033256	2002/03/21	Wellington et al.			
	P373	20020033255	2002/03/21	Fowler et al.			
	P374	20020033254	2002/03/21	Karanikas et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P375	20020033253	2002/03/21	de Rouffignac et al.			
	P376	20020038069	2002/03/28	Wellington et al.			
	P377	20020036103	2002/03/28	de Rouffignac et al.			
	P378	20020036089	2002/03/28	Vinegar et al.			
	P379	20020036084	2002/03/28	Vinegar et al.			
	P380	20020036083	2002/03/28	de Rouffignac et al.			
	P381	20020039486	2002/04/04	de Rouffignac et al.			
	P382	20020038712	2002/04/04	Vinegar et al.			
	P383	20020038711	2002/04/04	de Rouffignac et al.			
	P384	20020038710	2002/04/04	Maher et al.			
	P385	20020038709	2002/04/04	Wellington et al.			
	P386	20020038708	2002/04/04	Wellington et al.			
	P387	20020038706	2002/04/04	Zhang et al.			
	P388	20020038705	2002/04/04	Wellington et al.			
	P389	20020040177	2002/04/04	Maher et al.			
	P390	20020040173	2002/04/04	de Rouffignac et al.			
	P391	20020040781	2002/04/11	Keedy et al.			
	P392	20020040780	2002/04/11	Wellington et al.			
	P393	20020040779	2002/04/11	Wellington et al.			
	P394	20020040778	2002/04/11	Wellington et al.			
	P395	20020045553	2002/04/18	Vinegar et al.			
	P396	20020043405	2002/04/18	Vinegar et al.			
	P397	20020043367	2002/04/18	de Rouffignac et al.			
	P398	20020043366	2002/04/18	Wellington et al.			
	P399	20020043365	2002/04/18	Berchenko et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P400	20020049360	2002/04/25	Wellington et al.			
	P401	20020049358	2002/04/25	Vinegar et al.			
	P402	20020046883	2002/04/25	Wellington et al.			
	P403	20020046839	2002/04/25	Vinegar et al.			
	P404	20020046838	2002/04/25	Karanikas et al.			
	P405	20020046837	2002/04/25	Wellington et al.			
	P406	20020046832	2002/04/25	Zhang et al.			
	P407	20020052297	2002/05/02	de Rouffignac et al.			
	P408	20020050357	2002/05/02	Wellington et al.			
	P409	20020050356	2002/05/02	Vinegar et al.			
	P410	20020050353	2002/05/02	Berchencko et al.			
	P411	20020050352	2002/05/02	Wellington et al.			
	P412	20020053436	2002/05/09	Vinegar et al.			
	P413	20020053435	2002/05/09	Vinegar et al.			
	P414	20020053432	2002/05/09	Berchencko et al.			
	P415	20020053431	2002/05/09	Wellington et al.			
	P416	20020053429	2002/05/09	Stegemeier et al.			
	P417	20020057905	2002/05/16	Wellington et al.			
	P418	20020056552	2002/05/16	Wellington et al.			
	P419	20020056551	2002/05/16	Wellington et al.			
	P420	6389814	2002/05/21	Viteri et al.			
	P421	20020062052	2002/05/23	de Rouffignac et al.			
	P422	20020062051	2002/05/23	Wellington et al.			
	P423	20020062961	2002/05/30	Vinegar et al.			
	P424	20020062959	2002/05/30	Wellington et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P425	20020066565	2002/06/06	de Rouffignac et al.			
	P426	20020077515	2002/06/20	Wellington et al.			
	P427	20020076212	2002/06/20	Zhang et al.			
	P428	20020074117	2002/06/20	Shahin, Jr. et al.			
	P429	6412559	2002/07/02	Gunter et al.			
	P430	20020084074	2002/07/04	de Rouffignac et al.			
	P431	20020096320	2002/07/25	Wellington et al.			
	P432	20020104654	2002/08/08	Vinegar et al.			
	P433	20020108753	2002/08/15	Vinegar et al.			
	P434	20020117303	2002/08/29	Vinegar et al.			
	P435	20020132862	2002/09/19	Vinegar et al.			
	P436	20020170708	2002/11/21	Vinegar et al.			
	P437	6485232	2002/11/26	Vinegar et al.			
	P438	20020191969	2002/12/19	Wellington et al.			
	P439	20020191968	2002/12/19	Vinegar et al.			
	P440	20030006039	2003/01/09	Zhang et al.			
	P441	20030019626	2003/01/30	Vinegar et al.			
	P442	20030024699	2003/02/06	Vinegar et al.			
	P443	345586	1900/01/00	Hall			
	P444	2801089	1957/07/30	Scott Jr.			
	P445	2819761	1958/01/14	Popham et al.			
	P446	2825408	1958/03/04	Watson			
	P447	2857002	1958/10/21	Pevere et al.			
	P448	3113620	1963/12/10	Hemminger			
	P449	3137347	1964/06/16	Parker			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P450	3246695	1966/04/19	Robinson			
	P451	3342267	1967/09/19	Cotter et al.			
	P452	3389975	1968/06/25	Van Nostrand			
	P453	3617471	1971/11/02	Schlenger et al.			
	P454	4140181	1979/02/20	Ridley et al.			
	P455	4410042	1983/10/18	Shu			
	P456	4428700	1984/01/31	Lenneman			
	P457	4499209	1985/02/12	Hoek et al.			
	P458	4518548	1985/05/21	Yarbrough			
	P459	4597444	1986/07/01	Hutchinson			
	P460	4756367	1988/06/12	Puri et al.			
	P461	4893504	1990/01/16	O'Meara, Jr. et al.			
	P462	4913065	1990/05/03	Hemsath			
	P463	4988389	1991/01/29	Adamache et al.			
	P464	5054551	1991/10/08	Duerksen			
	P465	5145003	1992/09/08	Duerksen			
	P466	5340467	1994/08/23	Gregoli et al.			
	P467	5435666	1995/07/25	Hassett et al.			
	P468	5566755	1996/10/22	Seidle et al.			
	P469	5571403	1996/11/05	Scott et al.			
	P470	5652389	1997/07/29	Schaps et al.			
	P471	5760307	1998/06/02	Latimer et al.			
	P472	5777229	1998/07/07	Geier et al.			
	P473	5826655	1998/10/27	Snow et al.			
	P474	5935421	1999/08/10	Brons et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P475	6155117	2000/12/05	Stevens et al.			
	P476	6173775	2001/01/16	Elias et al.			
	P477	2390770	1945/12/11	Barton et al.			
	P478	4148359	1979/04/10	Laumbach et al.			
	P479	4193451	1980/03/18	Dauphine			
	P480	4265307	1981/05/05	Elkins			
	P481	4390067	1983/06/28	Wilman			
	P482	4456065	1984/06/26	Heim et al.			
	P483	4457374	1984/07/03	Hoekstra et al.			
	P484	4479541	1984/10/30	Wang			
	P485	4498535	1985/02/12	Bridges			
	P486	4598770	1986/07/08	Shu et al.			
	P487	4669542	1987/06/02	Venkatesan			
	P488	4682652	1987/07/28	Huang et al.			
	P489	4982786	1991/01/08	Jennings, Jr.			
	P490	5201219	1993/04/13	Bandurski et al.			
	P491	5339904	1994/08/23	Jennings, Jr.			
	P492	3221811	1965/12/07	Prats			
	P493	3987851	1976/10/26	Tham			
	P494	4042026	1977/08/16	Pusch et al.			
	P495	4005752	1977/02/01	Cha			
	P496	5868202	1999/02/09	Hsu			
	P497	20030051872	2003/03/20	de Rouffignac			
	P498	4458767	1984/07/10	Hoehn, Jr.			
	P499	4474238	1984/10/02	Gentry et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P500	5589775	1996/12/31	Kuckes			
	P501	5923170	1999/07/13	Kuckes			
	P502	6035701	2000/03/14	Lowry et al.			
	P503	6192748	2001/02/27	Miller			
	P505	3349845	1967/10/31	Holbert et al.			
	P506	4323848	1982/04/06	Kuckes			
	P507	4372398	1983/02/08	Kuckes			
	P508	4443762	1984/04/17	Kuckes			
	P509	4502010	1985/02/15	Kuckes			
	P510	4529939	1985/07/16	Kuckes			
	P511	4700142	1987/10/13	Kuckes			
	P512	4791373	1988/12/13	Kuckes			
	P513	4845434	1989/07/04	Kuckes			
	P514	4933640	1990/06/12	Kuckes			
	P515	5074365	1991/12/24	Kuckes			
	P516	5218301	1993/06/08	Kuckes			
	P517	5258755	1993/11/02	Kuckes			
	P518	5305212	1994/04/19	Kuckes			
	P519	5343152	1994/08/30	Kuckes			
	P520	5512830	1996/04/30	Kuckes			
	P521	5513710	1996/05/07	Kuckes			
	P522	5515931	1996/05/14	Kuckes			
	P523	5657826	1997/08/19	Kuckes			
	P524	5676212	1997/10/14	Kuckes			
	P525	5725059	1998/03/10	Kuckes			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P526	RE36569	2000/02/15	Kuckes			
	P527	6234259	2001/05/22	Kuckes			
	P528	6466020	2002/10/15	Kuckes			
	P529	20030075318	2003/04/24	Keedy et al.			
	P530	20030070807	2003/04/17	Wellington et al.			
	P531	20030066644	2003/04/10	Karanikas et al.			
	P532	20030066642	2003/04/10	Wellington et al.			
	P533	20030062164	2003/04/03	Wellington et al.			
	P534	20030062154	2003/04/03	Vinegar et al.			
	P535	20030080604	2003/05/01	Vinegar et al.			
	P536	20030079877	2003/05/01	Wellington et al.			
	P538	5126037	1992/06/30	Showalter			
	P539	3477058	1968/11/04	Vedder et al.			
	P540	3580987	1971/05/25	Priaroggia			
	P541	20030085034	2003/05/08	Wellington et al.			
	P542	3892270	1975/07/01	Lindquist			
	P543	3285335	1966/11/15	Reistle, Jr.			
	P544	4384614	1983/05/24	Justheim			
	P545	4640353	1987/02/03	Schuh			
	P546	4401163	1983/08/30	Elkins			
	P547	4437519	1984/03/20	Cha et al.			
	P548	4552214	1985/11/12	Forgac et al.			
	P549	4706751	1987/11/17	Gondouin			
	P550	4912971	1990/04/03	Jeambey			
	P551	5097903	1992/03/24	Wilensky			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P552	4926941	1990/05/22	Glandt et al.			
	P553	1646599	1927/10/25	Schaefer			
	P554	4010800	1977/03/08	Terry			
	P555	3952802	1976/04/27	Terry			
	P556	3986556	1976/10/19	Haynes			
	P557	4031956	1977/06/28	Terry			
	P558	4140180	1979/02/20	Bridges et al.			
	P559	4412585	1983/11/01	Bouck			
	P560	4501326	1985/02/26	Edmunds			
	P561	4524827	1985/06/25	Bridges et al.			
	P562	4585066	1986/04/29	Moore et al.			
	P563	4776638	1988/10/11	Hahn			
	P564	4856587	1989/08/15	Nielson			
	P565	5517593	1996/05/14	Nenniger et al.			
	P566	5099918	1992/03/31	Bridges et al.			
	P567	5751895	1998/05/12	Bridges			
	P568	6015015	2000/01/18	Luft et al.			
	P569	6112808	2000/09/05	Isted			
	P570	3026940	1962/03/27	Spitz			
	P571	3947683	1976/03/30	Schultz et al.			
	P572	20030098149	2003/05/29	Wellington et al.			
	P573	20030100451	2003/05/29	Messier et al.			
	P574	20030098605	2003/05/29	Vinegar et al.			
	P575	20030102125	2003/06/05	Wellington et al.			
	P576	20030102124	2003/06/05	Vinegar et al.			

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Information Disclosure Statement--PTO 1449 (modified)

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DOCKET NO: 5659-21500  APPLICANT: Vinegar et al.  FILING DATE: 10/24/2003		SERIAL NO: 10/693,818  CONFIRMATION NO.: 1103  ART UNIT: 3672		
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P577	20030102130	2003/06/05	Vinegar et al.			
	P578	20030102126	2003/06/05	Sumnu-Dindoruk et al.			
	P579	20030111223	2003/06/19	de Rouffignac et al.			
	P580	20030116315	2003/06/26	Wellington et al.			
	P581	6581684	2003/06/24	Wellington et al.			
	P582	6588503	2003/07/08	Karanikas et al.			
	P583	6588504	2003/07/08	Wellington et al.			
	P584	20030164234	2003/09/04	de Rouffignac et al.			
	P585	20030164238	2003/09/04	Vinegar et al.			
	P586	20030164239	2003/09/04	Wellington et al.			
	P587	3165154	1965/01/12	Santourian			
	P588	4458757	1984/07/10	Bock et al.			
	P589	20030131995	2003/07/17	de Rouffignac et al.			
	P590	20030131993	2003/07/17	Zhang et al.			
	P591	20030131996	2003/07/17	Vinegar et al.			
	P592	20030131994	2003/07/17	Vinegar et al.			
	P593	20030141068	2003/07/31	de Rouffignac et al.			
	P594	20030141067	2003/07/31	de Rouffignac et al.			
	P595	20030141066	2003/07/31	Karanikas et al.			
	P596	20030142964	2003/07/31	Wellington et al.			
	P597	20030148894	2003/08/07	Vinegar et al.			
	P598	20030146002	2003/08/07	Vinegar et al.			
	P599	6591907	2003/07/15	Zhang et al.			
	P600	6591906	2003/07/15	Wellington et al.			

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<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DOCKET NO: 5659-21500  APPLICANT: Vinegar et al.  FILING DATE: 10/24/2003		SERIAL NO: 10/693,818  CONFIRMATION NO.: 1103  ART UNIT: 3672		
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P601	4931171	1990/06/05	Piotter			
	P602	4737267	1988/04/12	Pao et al.			
	P603	4384948	1983/05/24	Barger			
	P604	3593790	1971/07/20	Herce			
	P605	3497000	1970/02/24	Hujsak et al.			
	P606	3244231	1966/04/05	Greckel et al.			
	P607	3223166	1965/12/14	Hunt et al.			
	P608	3947656	1976/03/30	Lodi			
	P609	6609570	2003/08/26	Wellington et al.			
	P610	6607033	2003/08/19	Wellington et al.			
	P611	2803305	1957/08/20	Behning et al.			
	P612	3050123	1962/08/21	Scott			
	P613	3853185	1974/12/10	Dahl et al.			
	P614	3881551	1975/05/06	Terry et al.			
	P615	3941421	1976/03/02	Burton, III et al.			
	P616	4158467	1979/06/19	Larson et al.			
	P617	4184548	1980/01/22	Ginsburgh et al.			
	P618	4185692	1980/01/29	Terry			
	P619	4282587	1981/08/04	Silverman			
	P620	4380930	1983/04/26	Podhrasky et al.			
	P621	4390973	1983/06/28	Rietsch			
	P622	4425967	1984/01/17	Hoekstra, deceased			
	P623	4491179	1985/01/01	Pirson et al.			
	P624	4455215	1984/06/19	Jarrott et al.			
	P625	4452491	1984/06/05	Seglin et al.			

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	APPLICANT: Vinegar et al.	CONFIRMATION NO.: 1103
	FILING DATE: 10/24/2003	ART UNIT: 3672

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P626	4577503	1986/03/25	Imaino et al.			
	P627	4577690	1986/03/25	Medlin			
	P628	4598392	1986/07/01	Pann			
	P629	4744245	1988/05/17	White			
	P630	4848460	1989/07/18	Johnson, Jr. et al.			
	P631	5305239	1994/04/19	Kinra			
	P632	5011329	1991/04/30	Nelson et al.			
	P633	5360067	1994/11/01	Meo, III			
	P634	5545803	1996/08/13	Heath et al.			
	P635	5769569	1998/06/23	Hosseini			
	P636	6026914	2000/02/22	Adams et al.			
	P637	3513913	1970/05/26	Bruist			
	P638	20030173081	2003/09/18	Vinegar et al.			
	P639	20030173078	2003/09/18	Wellington et al.			
	P640	20030173080	2003/09/18	Berchenko et al.			
	P641	2375689	1945/05/08	Reeder			
	P642	3874733	1975/04/01	Poundstone et al.			
	P643	20030155111	2003/08/21	Vinegar et al.			
	P644	20030178191	2003/09/25	Maher et al.			
	P645	20030183390	2003/10/02	Veenstra et al.			
	P646	20030192691	2003/10/16	Vinegar et al.			
	P647	20030196793	2003/10/16	Wellington et al.			
	P648	20030196789	2003/10/23	Wellington et al.			
	P649	20030196801	2003/10/23	Vinegar et al.			
	P650	20030196788	2003/10/23	Vinegar et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P651	20030196810	2003/10/23	Vinegar et al.			
	P652	20030201098	2003/10/23	Karanikas et al.			
	P653	RE27309	1972/03/14	Scott et al.			
	P654	3622071	1971/11/23	Coggins et al.			
	P655	3870063	1975/03/11	Hayward			
	P656	4702758	1987/10/27	Geer			
	P657	4728412	1988/03/01	Soderberg			
	P658	4778586	1988/10/18	Bain et al.			
	P659	5109928	1992/05/05	McCants			
	P660	6357526	2002/03/19	Abdel-Halim et al.			
	P661	4429745	1984/02/07	Cook			
	P662	2244255	1941/06/03	Looman			
	P663	4048637	1977/09/13	Jacomini			
	P664	20030209348	2003/11/13	Ward et al.			
	P665	20030205378	2003/11/06	Wellington et al.			
	P666	4006778	1977/02/08	Redford et al.			
	P667	3994340	1976/11/30	Anderson et al.			
	P668	3994341	1976/11/30	Anderson et al.			
	P669	4460044	1984/07/17	Porter			
	P670	4696345	1987/09/29	Hsueh			
	P671	2584605	1952/02/05	Meriam et al.			
	P672	2969226	1961/01/24	Huntington			
	P673	5828797	1998/10/27	Minott et al.			
	P674	6588266	2003/07/08	Tubel et al.			
	P675	6388947	2002/05/14	Washbourne et al.			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P676	6269310	2001/07/31	Washbourne			
	P677	6196350	2001/03/06	Minto			
	P678	6193010	2001/02/27	Minto			
	P679	5999489	1999/12/07	Lazaratos			
	P680	5926437	1999/07/20	Ortiz			
	P681	5209987	1993/05/11	Penneck et al.			
	P682	4985313	1991/01/15	Penneck et al.			
	P683	3316344	1967/04/25	Kidd et al.			
	P684	4623401	1986/11/18	Derbyshire et al.			
	P685	4645906	1987/02/24	Yagnik et al.			
	P686	4256945	1981/03/17	Carter et al.			
	P687	4695713	1987/09/22	Krumme			
	P688	4701587	1987/10/20	Carter et al.			
	P689	4717814	1988/01/05	Krumme			
	P690	4752673	1988/06/21	Krumme			
	P691	4814587	1989/03/21	Carter			
	P692	5073625	1991/12/17	Derbyshire			
	P693	4794226	1988/12/27	Derbyshire			
	P694	5182427	1993/01/26	McGaffigan			
	P695	5911898	1999/06/15	Jacobs et al.			
	P696	3410977	1968/11/12	Ando			
	P697	4417782	1983/11/29	Clarke et al.			
	P698	4698583	1987/10/06	Sandberg			
	P699	4733057	1988/03/22	Stanzel et al.			
	P700	4785163	1988/11/15	Sandberg			

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